YNK-DBR No.....
Date.....

AEE, YSTSD
SBR No: 58/22-23
Date: 27/9/2022

W.G. 1
O

1st and final Bill | Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Reference paras 158 & 170

ivision Yelahanka | Sub division Yelahanka New Town | Date

ills received No | Date | Sub-divisional / Divisional | Cash book vr No | Date

Sheduled Docket No | Head of account P3853

Name of work(as per sanctioned estimate) :- **NAME OF WORK :- Additional and Alteration of school Buildings at Kanakanagara,Allalsandra and Ambedkar Nagara in Ward No-04 Yelahanka New Town Sub Division.**

Work Code:-004-21-000028

Name of contractor and full address :- **M/S Goutham Construction Prop.Sri.RAGHUNATHA B P No:47,2nd Main,Muneshwara Layout Laggere,Near Outer Ring Road,Bangalore-50058**

Reference to agreement No :- 49 | Modified cost RS : 102.75 lakhs | Work order No :84, dt:28-01-2022

Certified that the measurments were taken by me on 25/07/2022 and recorded on page 497409 to 497436 of measurment book No 4975 and the work is satisfactorily executed by the contractor.

Signature of contractor

27/07/2022

Asst. Engineer

Certified that the measurments were taken by me on 27/07/2022 and recorded correct.The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this securily. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within
2) Deduct amount to be held in reserve being-----percent Rs----------%--------
3) Balance----

4) Deduct payments

a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of
b) Cost of payments/stores or other materials supplied now made recovery
Amount paid on this bill by cheque/cash

Total

5). Balance being unpaid value of work done held in reserve
6) Deduct cash of advance made on divisional/sub divisional cash book
7) Net amount due to or from contractor.

UN ADJUSTED ITEMS

8) Advance to contractor for materials to site(as detailed within)
9) Value of government materials supplied.

TOTAL AMOUNT UN-ADJUSTED

Bill Amount	9149762=00
(+) GST	1097911=00
TOTAL	10247000=00
Less : I Tax	102470=00
SGST	91493=00
CGST	91493=00
BCWWC	102470=00
CBF	10247=00
ROYALTY	127300=00
FINE	—
FSD	—
OTHERS	—
TOTAL DEDUCTION	525473=00
NET PAY	9721527=00

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------
of payment as per memorandum
(in final settlement of all

Witness
1)
2)

Dated signature of contractor
paid by me cheque No dated

Cash Rs.....
Date Initials of officer making payment

Reciept Stamp

Audited & Admitted for Rs. 10247000=00

9721527=00 by Cheque

and Rs. 525473=00 by Disusement

Executive Engineer

Accts. Supdt.
Yelahanka Division
BBMP
26/9/07

Exe. Engineer
Yelahanka Division
BBMP

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	2	3	4	5	6	7	8	9	10
1	KSRRB M200-12.3 Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevemecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications.C Prestressed/Reinforced Cement Concrete Grade M-20 & above.Morth Specification No, 202.(Page No 139,Item No 18.19)	Cum			65.80	1800.21	118450.53	65.80	118450.53
2	KSRRB M200-14.2 Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work B. In cement mortar Pg No.139 Item No.18.23	Cum			81 98	397.65	32599 94	81 98	32599 94
3	37.51 Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,	Sqm			264.68	97.43	25788.02	264.68	25788.02
4	Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)	Sqm			451 79	41 92	18939 04	451 79	18939.04
5	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4	Cum			269.21	70.38	18947.27	269.21	18947.27
6	KSRB 2-2.2 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1 5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4	Cum			243.41	508.68	123817 80	243.41	123817 80
7	KSRB 2.8 Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications. Specification No. KBSPg No 7, Item No 2 15	Cum			19.35	2751.86	53248.49	19.35	53248.49
8	KSRB 4-1.6 Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kg,s, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation Plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2Pg No.13 Item No 4.6 of PWD SR 2018-19)	Cum			46.90	6706.56	314539.01	46.90	314539.01
9	KSRB 4-1.5 Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed 2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13. I.No.4.5 of PWD SR 2018-19)	Cum			28.79	6741.03	194064 98	28.79	194064.98

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
10	KSRB 5.2-3 : Providing and constructing granite / trap / stone size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas perspecifications.KBS 5.1.13 Pg No 25 item No 5.6	Cum			59.70	5206.90	310845.42	59.70	310845.42
11	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete asper specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10	Cum			170.71	227.72	38874.99	170.71	38874.99
12	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No16, Item No 4.28	Sqm			131.38	292.29	38401.06	131.38	38401.06
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31	Sqm			94.68	405.59	38401.26	94.68	38401.26
14	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No.KBS 4.6.2, Pg No 16, Item No 4.32	Sqm			187.49	516.61	96858.18	187.49	96858.18
15	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, baleonies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2	Sqm			316.44	453.17	143402.25	316.44	143402.25
16	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36	Sqm			27.51	855.35	23530.68	27.51	23530.68
17	KSRB 4-6.7 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34	Sqm			242.57	330.81	80242.93	242.57	80242.93
18	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38	Sqm			37.94	589.12	22351.21	37.94	22351.21
19	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37	Sqm			10.04	365.93	3672.11	10.04	3672.11

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
20	KSRB 4.2.1 Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregetes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10	Cum			88.84	7383.34	655961.77	88.84	655961.77
21	KSRB 4.2.8 Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregetes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12	Cum			6.93	7647.31	53026.45	6.93	53026.45
22	KSRB 4.2.8 Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregetes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12	Cum							
	A)Up to125% of quantity				11.58	7715.29	89304.48	11.58	89304.48
	B)Above 125% of quantity				4.76	7715.29	36724.78	4.76	36724.78
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc , complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2	Cum			79.06	7026.47	555521.50	79.06	555521.50
24	KSRB 4.2.11 Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregetes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20	Sqm							
	A)Up to125% of quantity				7.88	567.59	4469.77	7.88	4469.77
	B)Above 125% of quantity				2.16	567.59	1225.99	2.16	1225.99

No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
25	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2	Tonne			20.33	99036.47	2013312.20	20.33	2013312.20
26	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2	Tonne							
	A)Up to125% of quantity				5.83	99883.89	582323.08	5.83	582323.08
	B)Above 125% of quantity				3.41	99883.89	340339.27	3.41	340339.27
27	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc , complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1	Sqm			114.39	1033.22	118187.45	114.39	118187.45
28	KSRB 5-14.1 Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc , complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1	Sqm			140.78	1101.20	155021.43	140.78	155021.43
29	KSRB 6-2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0 Newton per sqmm (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.Specification No. KBS 6.2**(BCSR Item No 6.6,Page No.29)**	Cum			15.90	7665.08	121868.64	15.90	121868.64
30	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16	Sqm			199.75	295.69	59063.34	199.75	59063.34
31	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16	Sqm							
	A)Up to125% of quantity				358.51	309.29	110884.33	358.51	110884.33
	B)Above 125% of quantity				273.48	302.49	82724.21	273.48	82724.21
32	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 115 Item No.15.10	Sqm			344.52	231.12	79625.46	344.52	79625.46
33	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 115 Item No.15.10	Sqm							

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
	A)Up to125% of quantity				242.55	237.91	57705.07	242.55	57705.07
	B)Above 125% of quantity				55.92	237.91	13303.93	55.92	13303.93
34	KSRB 15.5.1 : Providing Rough cement plastering 15mm thick in single coat with cement mortor 1:4 to brick masanry for base of dadooing works with sand of approved quality ,providing and removing scaffolding ,including cost of materials ,labour,curing complete as per specifications.Page No-117,Item No-15.30	Sqm			5.89	232.25	1367.95	5.89	1367.95
35	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22	Sqm							
	A)Up to125% of quantity				242.55	254.91	61828.42	242.55	61828.42
	B)Above 125% of quantity				94.58	254.91	24108.11	94.58	24108.11
36	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No 128 Item No.15 106	Sqm			350.41	88.37	30965.73	350.41	30965.73
37	KSRB 15-15 1 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer PgNo. 119, I.No. 15.51.2	Sqm			635.60	101.96	64805.27	635.60	64805.27
38	KSRB 15-14 1 Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 KSRB 15-14.1 Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications Pg No 119 Item No15.49.2	Sqm							
	A)Up to125% of quantity				242.55	133.68	32424.08	242.55	32424.08
	B)Above 125% of quantity				94.58	133.68	12642.79	94.58	12642.79
39	KSRB 15-16.1 Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer (P. No. 120, I.No. 15.53.2 of SR 2018-19).	Sqm			199.75	115.56	23082.82	199.75	23082.82
40	KSRB 15-16.1 Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer (P. No. 120, I.No. 15.53.2 of SR 2018-19).	Sqm							
	A)Up to125% of quantity				358.51	124.62	44677.83	358.51	44677.83
	B)Above 125% of quantity				273.48	124.62	34080.77	273.48	34080.77

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
41	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13	Sqm			143.25	714.87	102406.41	143.25	102406.41
42	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13	Sqm							
	A)Up to125% of quantity				103.13	717.14	73955.06	103.13	73955.06
	B)Above 125% of quantity				91.31	717.14	65482.05	91.31	65482.05
43	Providing and fixing Vitrified glazed tiles of approved make,quality .& colour of size 600 x 600 x 10 mm thick fixed on bed of 12mm thickcement mortar for flooring, skirting and jointed with neat cement slurrymixed with pigment to mach shade of tiles, including providing spacersat required interval and removing stains, including cost of all materials,mortar, labour, etc , Complete as per specification. **Page No 109 Item No 14.45.1**	Sqm							
	A)Up to125% of quantity				36.33	1105.73	40165.64	36.33	40165.64
	B)Above 125% of quantity				78.34	1105.73	86622.89	78.34	86622.89
44	Providing and fixing Vitrified glazed tiles of approved make,quality .& colour of size 600 x 600 x 10 mm thick fixed on bed of 12mm thickcement mortar for flooring, skirting and jointed with neat cement slurrymixed with pigment to mach shade of tiles, including providing spacersat required interval and removing stains, including cost of all materials,mortar, labour, etc , Complete as per specification. **Page No 109 Item No 14.45.1**	Sqm							
	A)Up to125% of quantity				114.49	1108.00	126852.15	114.49	126852.15
	B)Above 125% of quantity				91.34	1108.00	101207.49	91.34	101207.49
45	KSRB 14-14.5 : Providing Ceramic tiles of approved make,shade and size for flooring ,treads of steps and landings laid on a bed of 12mm thick,cement mortor 1:3 mix,flush pointing with white cement using Colour pigment including cost of materials,labour,curing ,complete as per specifications.for ceramic tiles of size 30 X 30cms 6mm thick	Sqm			1.80	1370.83	2467.49	1.80	2467.49
46	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 PgNo 108,Item No14.41.2	Sqm			9.76	1848.93	18045.56	9.76	18045.56

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
47	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1	Sqm			337.54	595.92	201146.84	337.54	201146.84
48	KSRB 9-27.1 Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80	Nos			3.00	1547.57	4642.71	3.00	4642.71
49	KSRB 9-27.1 Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80	Nos							
	A)Up to125% of quantity				3.75	1551.76	5819.10	3.75	5819.10
	B)Above 125% of quantity				1.25	1552.10	1940.13	1.25	1940.13
50	KSRB 9:4-2 Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9:33 Pg No 53,Item No9.11	Cum			0.39	99248.32	38587.75	0.39	38587.75
51	KSRB 9:4-2 Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9:33 Pg No 53,Item No9.11	Cum							
	A)Up to125% of quantity				0.46	99248.32	45902.35	0.46	45902.35
	B)Above 125% of quantity				0.19	99252.86	18411.41	0.19	18411.41
52	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam.Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Page No.63, Item No. 9.95	Mtr			11.40	509.81	5811.83	11.40	5811.83

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
53	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15	Sqm			6.30	5349.65	33702.80	6.30	33702.80
54	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15	Sqm							
	A)Up to125% of quantity				9.45	5354.18	50597.00	9.45	50597.00
	B)Above 125% of quantity				1.05	5354.18	5621.89	1.05	5621.89
55	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gms E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm.Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. P.No.60, I.No.9.94	Sqm			2.93	4305.10	12592.00	2.93	12592.00
56	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121 Item no:15.60.1	Sqm			28.35	109.88	3115.10	28.35	3115.10
57	Providing and fixing MS Grill over existing Compond Wall as Per using 16mm x 16mm M.S.Square Rod at 150mm c/c spacing and 6mm x40mm MS flats at horizontal and 6mm x12mm M.S.flat for ornamental Design at the vertex of every vertical rods,including welding ,grinding wherever necessary.All the steel surface should be throughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc complete.The work includes cost of all materials ,labour charges for all items of work ,hire charges for welding,cutting and grinding equipment,and electricity charges etc,Complete as per specification.(P.No 44 of I.No.7.36 in PW,P&IWTD SR 2018-19).	Sqm			29.88	6082.65	181749.58	29.88	181749.58

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
58	KSRB 7.10 Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. With 1.2mm thick, bottom section weight 0.695 kg/m; and shutter comprising top and bottom section of size 40mmx18mm,1.25mm thick 0.417kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc, and providing and fixing 5.5mm thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rush and coated with greasy for non adhesion of mortor and other sticky materials;(this fixtures, labhour and HOM at machinery complete as per specifications.Using alluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. (P No 35 of I No.7.10.2 in PW,P&IWTD SR 2018-19).	Sqm			24.12	4956.53	119551.50		
59	Providing and fixing MS grill work for windows and ventilators weighing 21 kgs./ sqm. using MS flats or MS square bars or combination of MS flats and square bars as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat red lead primer & two coats synthetic enamel paint, cost of materials, fixtures, labour and HOM of machinery complete as per technical specification and as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc.**(BCSR Item No 7.9,Page No. 34)**	Kg.s			378.00	107.53	40646.34	378.00	40646.34
60	Providing and fixing MS grill work for windows and ventilators weighing 21 kgs./ sqm. using MS flats or MS square bars or combination of MS flats and square bars as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat red lead primer & two coats synthetic enamel paint, cost of materials, fixtures, labour and HOM of machinery complete as per technical specification and as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc.**(BCSR Item No 7.9,Page No. 34)**	Kg.s			378.00	114.42	43250.76	378.00	43250.76
61	KSRB 15-18.2 Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123 Item no:15.74	Sqm							
	A)Up to125% of quantity				119.25	107.63	12834.88	119.25	12834.88
	B)Above 125% of quantity				28.98	107.63	3119.12	28.98	3119.12
62	**KSRRB M300-Construction of Embankment with Material Gravel/Murram** KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (P No.147, I No.19.60 of PW, P&IWTD SR 2018-19)	cum							
	A)Up to125% of quantity				37.55	368.20	13825.91	37.55	13825.91
	B)Above 125% of quantity				17.98	368.20	6621.06	17.98	6621.06

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
	PROVIDING TRAPEZOIDAL PROFIELD SHEET								
63	Providing and installing of pre painted Galvolume iron trapezoidal profiled sheet of approved make 1060mm width (1000mm cover width),28-30 mm crest height with crest distance of 200mm c/c with 2 ribs at the centre for stiffening.The Total Coated Thickness (TCT) of the Sheet will be 0.47mm +/- 0.02 mm tolerance Zinc-Alu Alloy Coating AZ 150 gsm as per ASTM 1397/a755-550 mpa steel grade,5-7 microns epoxy primer on both side of the sheet and polyster top coat 20-22 microns using self drilling /Self tapping screws of 25mm lenth ,to be fixed over the existing purlins ,rafters,channels and trusses.	Sqm			99.36	779.45	77446.15	99.36	77446.15
64	Fabricating,supplying and erecting, **M.S.Tubular Trusses** for all spans as per approved drawing and designs with prefabricated steel applications using quality materials and are durable ,reliable and corrosion and abrasion resistant.Welding shall confirm,to latest structural welding code.Quality shall be on various parameters like shape,size,design gauge and polish.The entire trusses is anchored in RCC columns by using 4 nos of MS Pipes and welding wherever necessary and appying one coat of redoxide primer coat to all members of including cost of all materials,labourcharges,and hire charges of machineries for cutting,welding,grinding and erection equipments,with all lead and lift transportation,etc,complete as per specifications.	Kg.s			3207.00	125.75	403280.25	3207.00	403280.25
65	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.**Short Point Up to 3m.**(Page No 5/Item No 2.1.1)	Point			10.00	209.80	2098.00	10.00	2098.00
66	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.**Medium Point Above 3m-6m.** (Page No 5/Item No 2.1.2)	Point			10.00	288.48	2884.80	10.00	2884.80
67	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary **25mm Dia,2mm Thick.** (Page No 2/Item No 1.2.2)	Rmtr			55.00	55.60	3058.00	55.00	3058.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
68	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary **19/20mm Dia,2mm Thick.** (Page No 2/Item No 1.3.1)	Rmtr			12.00	53.50	642.00	12.00	642.00
69	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary **25mm Dia,2mm Thick.** (Page No 2/Item No 1.3.2)	Rmtr			12.00	56.65	679.80	12.00	679.80
70	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall **1-3 way** (Page No 9/Item No 3.4.1)	Each			10.00	99.66	996.60	10.00	996.60
71	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall **4-5 way** (Page No 9/Item No 3.4.2)	Each			10.00	110.15	1101.50	10.00	1101.50
72	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3854. **6AMP 3/S and Switch.**(Page No 9 Item No 3.1.2)	No			12.00	138.47	1661.64	12.00	1661.64
73	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293 (Page No 9/Item No 3.2)	Each			12.00	157.35	1888.20	12.00	1888.20
74	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.**16Amps Combined Switch and socket with indication.**(Page No 15/Item No 3.3.4)	No			12.00	203.51	2442.12	12.00	2442.12
75	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.**16Amps Combined Switch and socket with indication.**(Page No 15/Item No 3.3.4)	No			12.00	157.35	1888.20	12.00	1888.20
76	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with lowconductor resistance single core in open or concealedsystem of wiring with specified IS-694 confirming to latestamendments **1.5sqmm** (Page No 6/Item No 2.3.2)	Rmtr			55.00	21.03	1156.65	55.00	1156.65
77	Wiring for lighting / power circuit using one of FRLS PVCinsulated 1100V grade, multistrand copper wire with lowconductor resistance single core in open or concealedsystem of wiring with specified IS-694 confirming to latest amendments.**2.5sqmm** (Page No 6/Item No 2.3.3)	Rmtr			10.00	33.57	335.70	10.00	335.70
78	Wiring for lighting / power circuit using one of FRLS PVCinsulated 1100V grade, multistrand copper wire with lowconductor resistance single core in open or concealedsystem of wiring with specified IS-694 confirming to latest amendments.2.5sqmm (Page No 6/Item No 2.3.3)Supplying and fixing Metal Fan Box with Round Hook(Page No 3/Item No 1.1.2)	Each			10.00	89.17	891.70	10.00	891.70
79	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting(Page No 69/Item No 12.4.2)	No.s			9.00	314.70	2832.30	9.00	2832.30

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
80	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles, single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm)(Page No 46/Item No 7.3.1)	Each			9.00	2192.41	19731.69	9.00	19731.69
							Total RS		9149262.19
							12% GST charges		1097911.46
							Grand Total RS		10247173.65

CERTIFICATE

1.Certified that the above work done is satisfactory completed to work.

2.Certified that the there is no debries have been cleared to site

Assistant Engineer
Ward No-04

Assistant Executive Engineer
Yelahanka Urban Sub Division
DRME